

019

08-02-2019 LETTING ITEM 019

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**VAR	**	VARIOUS	17	1
**D6 CABLE/GUARDRAIL 2017-5			CONTRACT NO. 72K06	

X

FOR INDEX OF SHEETS, SEE SHEET NO. 2

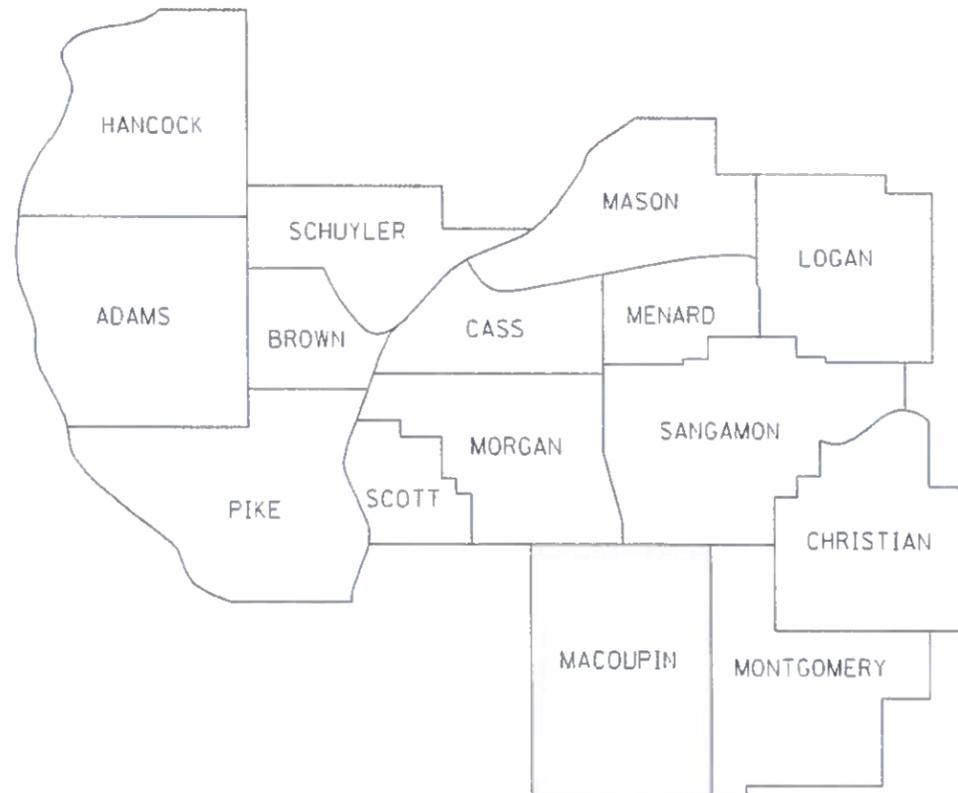
PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D6 CABLE/GUARDRAIL 2017-5
CABLE & GUARDRAIL REPAIR
VARIOUS COUNTIES IN D6
C-96-070-17

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-5 SUMMARY OF QUANTITIES
- 6-16 PRE-MGS HIGHWAY STANDARDS
- 17 CABLE GUARD MARKER DETAIL

FOR LIST OF STANDARDS, SEE SHEET 2



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER : JAY EDWARDS (217)-785-0597
PROJECT MANAGER : JONATHAN COX (217)-782-1378

CONTRACT NO. 72K06

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10 May 2019

[Signature]
REGIONAL ENGINEER

June 20 2019
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 20 2019
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-07	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630111	WEAK POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
643001-02	SAND MODULE IMPACT ATTENUATORS
664001-02	CHAIN LINK FENCE
665001-02	WOVEN WIRE FENCE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < 40 MPH
701428-01	TRAFFIC CONTROL SET UP AND REMOVAL FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS.

GENERAL NOTES

ALL DISTURBED AREAS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE GRADED AND SEEDED WITH CLASS 2 ROADSIDE MIXTURE AND FERTILIZED AS STATED IN SECTION 250 OF THE STANDARD SPECIFICATIONS. COST SHALL BE CONSIDERED INCLUDED IN THE UNIT COST OF THE WORK BEING PERFORMED.

REMOVAL OF DAMAGED IMPACT ATTENUATORS SHALL BE INCLUDED IN THE COST OF THE IMPACT ATTENUATOR BEING INSTALLED.

REMOVAL AND DISPOSAL OF DAMAGED FENCE SHALL BE INCLUDED IN THE COST OF THE FENCE BEING INSTALLED.

DISTRICT SIX	
EXAMINED <u>6 May</u> 20 <u>19</u>	<i>[Signature]</i>
OPERATIONS ENGINEER	
EXAMINED <u>May 7</u> 20 <u>19</u>	<i>[Signature]</i>
PROGRAM DEVELOPMENT ENGINEER	
EXAMINED <u>10 May</u> 20 <u>19</u>	<i>[Signature]</i>
PROJECT IMPLEMENTATION ENGINEER	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02174-6009	MCHD FUNDS	0-01858-6001
				VARIOUS GR	MCHD	MED CBL BAR
				100% STATE	100% MCHD	100% STATE
				ROADWAY	ROADWAY	ROADWAY
				0021	0021	0021
				RURAL	RURAL	RURAL
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	300	150	150	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	100	50	50	
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	50	50		
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	1	1	
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2	1	1	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	1	1	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	22	6	16	
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1		
63200310	GUARDRAIL REMOVAL	FOOT	1200	300	900	
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1		
64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	2		1	1
66400105	CHAIN LINK FENCE, 4'	FOOT	100	50	50	
66500105	WOVEN WIRE FENCE, 4'	FOOT	1800	500	1300	
67100100	MOBILIZATION	L SUM	1.0	0.3	0.6	0.1

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		DATE -	REVISED -
Default	PLOT DATE = 7/3/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**		17	3
			CONTRACT NO. 72K06	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02174-6009	MCHD FUNDS	0-01858-6001
				VARIOUS GR 100% STATE	MCHD 100% MCHD	MED CBL BAR 100% STATE
				ROADWAY	ROADWAY	ROADWAY
				0021	0021	0021
				RURAL	RURAL	RURAL
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	1	1	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	35	20	15	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	75	35	40	
X0325231	CABLE GUARD MARKER	EACH	200		100	100
X0325899	REPAIR HIGH TENSION CABLE (GIBRALTAR)	FOOT	20		10	10
X0325900	REPAIR HIGH TENSION BARRIER TERMINAL (GIBRALTAR)	EACH	5		3	2
X0325901	REPAIR POSTS (GIBRALTAR)	EACH	100		50	50
X0325902	REMOVE AND REPLACE POSTS (GIBRALTAR)	EACH	200		150	50
X0327490	REPAIR HIGH TENSION CABLE (NU-CABLE)	FOOT	20		10	10
X0327491	REPAIR POSTS (NU-CABLE)	EACH	20		10	10
X0327492	REMOVE AND REPLACE POSTS (NU-CABLE)	EACH	335		222	113
X0327493	REPAIR HIGH TENSION BARRIER TERMINAL (NU-CABLE)	EACH	2		1	1
X6300155	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)	FOOT	50	25	25	
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	45	10	35	

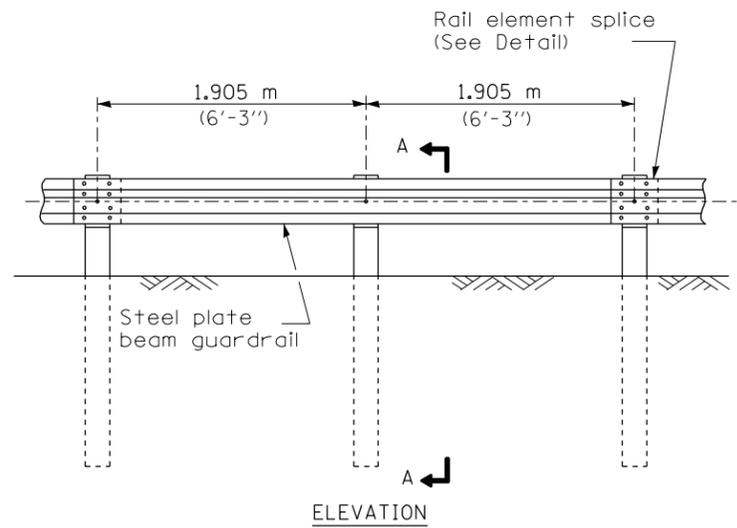
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02174-6009	MCHD FUNDS	0-01858-6001
				VARIOUS GR 100% STATE	MCHD 100% MCHD	MED CBL BAR 100% STATE
				ROADWAY	ROADWAY	ROADWAY
				0021	0021	0021
				RURAL	RURAL	RURAL
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	45	10	35	
X7011836	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY, CALL OUT WORK	EACH	30	10	10	10
Z0008759	CALL OUT	EACH	5	2	2	1
Z0008760	EMERGENCY WORK CALL OUT	EACH	35	8	25	2
Z0052000	REPAIR STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	2300	1200	1100	
Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	60	20	40	
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	2	1	1	
Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	1	1	
Z0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2	1	1	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	1	1	

Ø 0042

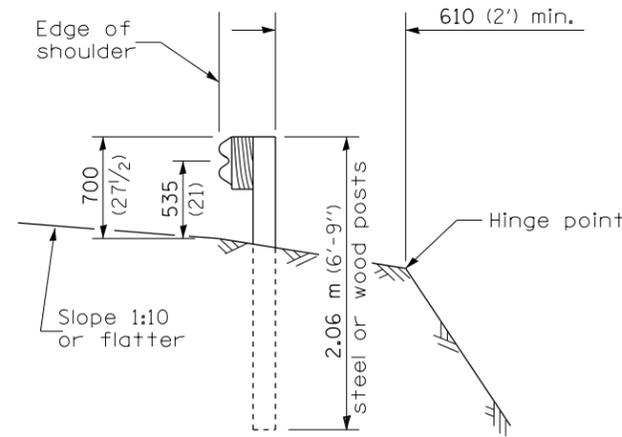
REV. - MS

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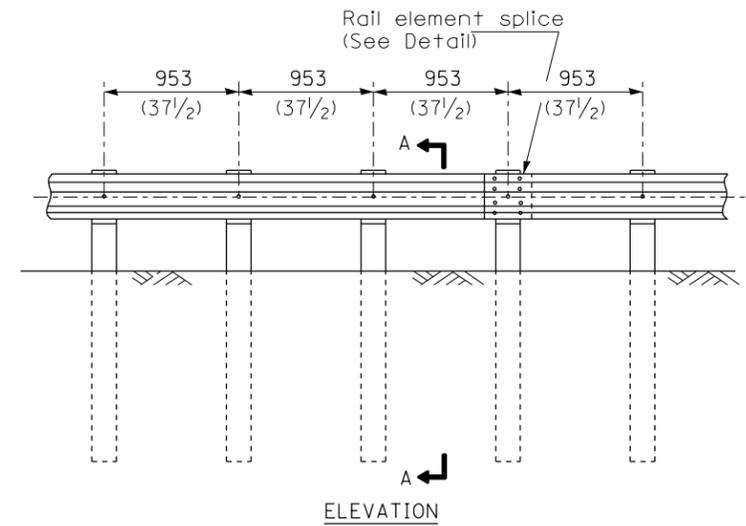


TYPE A

1.905 m (6'-3'') Typical post spacing

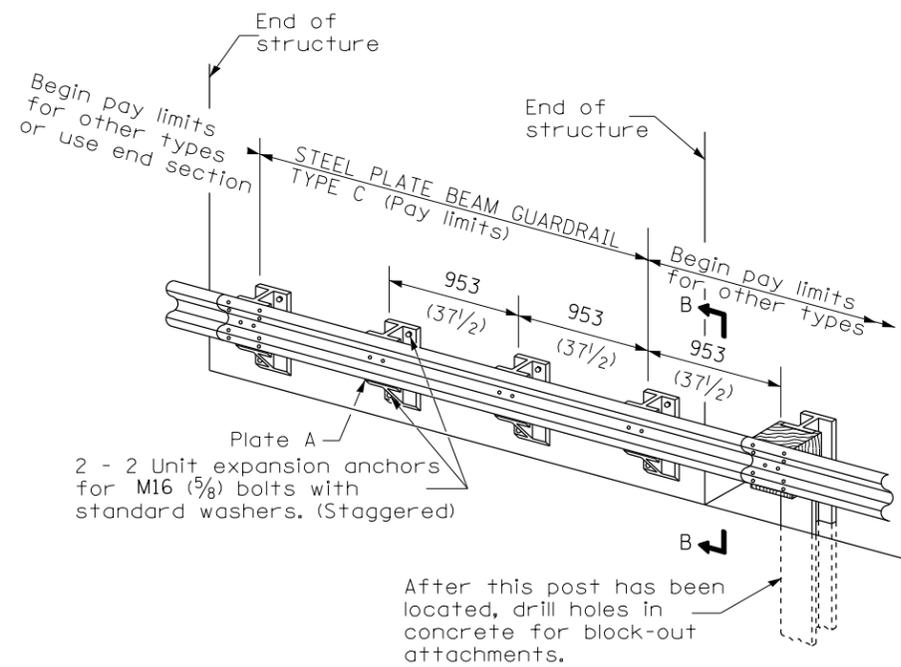


SECTION A-A



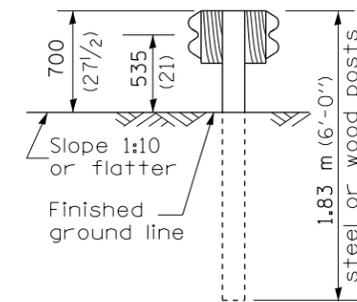
TYPE B

953 (37 1/2) Closed post spacing

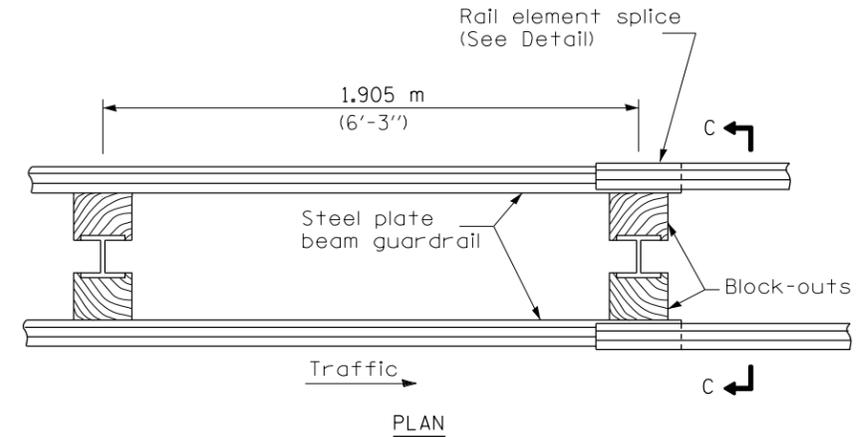


TYPE C

953 (37 1/2) Block-out spacing

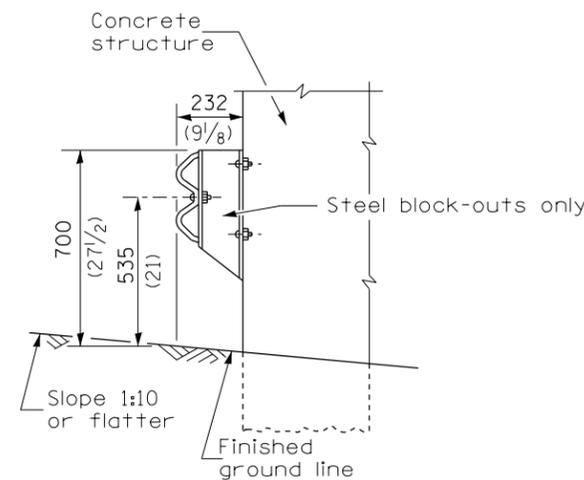


SECTION C-C



TYPE D

Double steel plate beam guardrail
1.905 m (6'-3'') typical post spacing

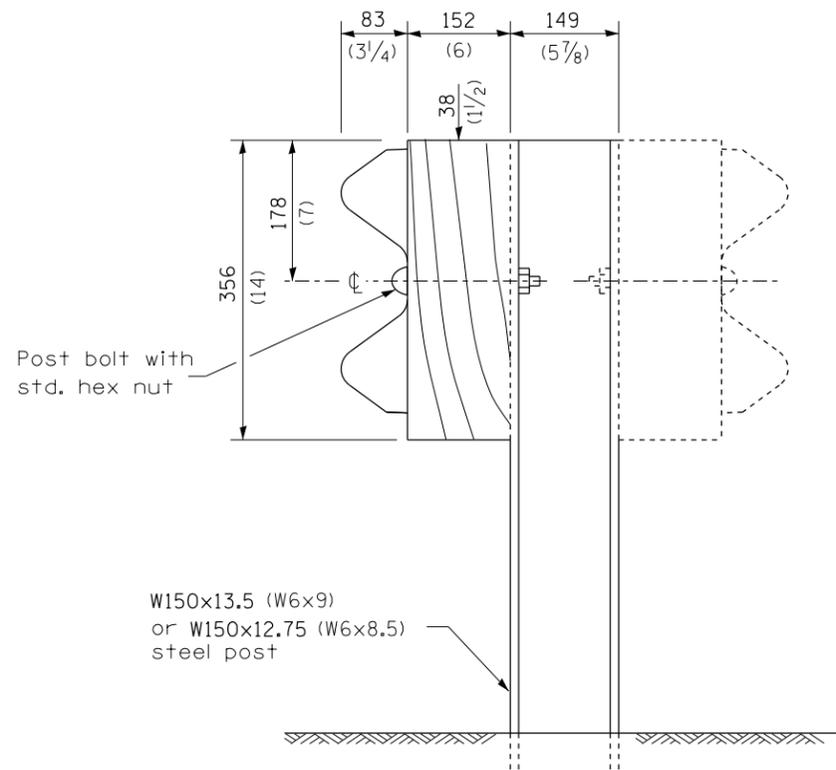


SECTION B-B

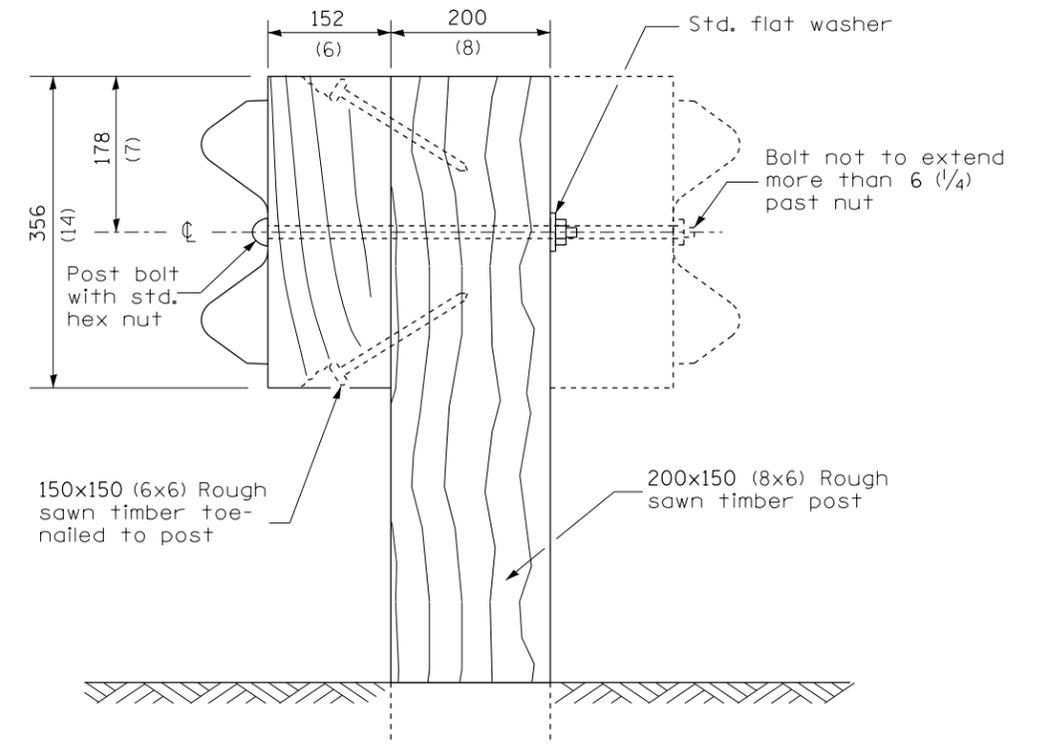
GENERAL NOTES

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 630001-06 STEEL PLATE BEAM EFFECTIVE 4-1-06	F.A.*	SECTION	COUNTY	TOTAL	SHEET	
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Default	DATE -	REVISOR -	REVISOR -			ILLINOIS FED. AID PROJECT					
SCALE:					SHEET 1	OF 4	SHEETS	STA.	TO STA.		

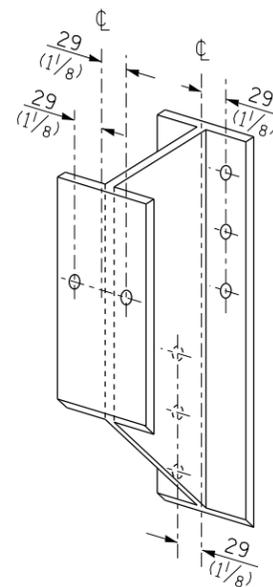
**D6 CABLE/GUARDRAIL 2017-5



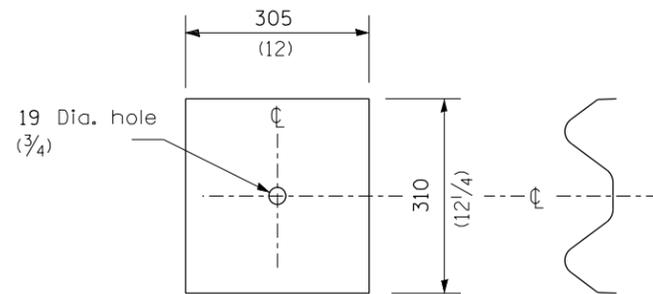
STEEL POST CONSTRUCTION



WOOD POST CONSTRUCTION



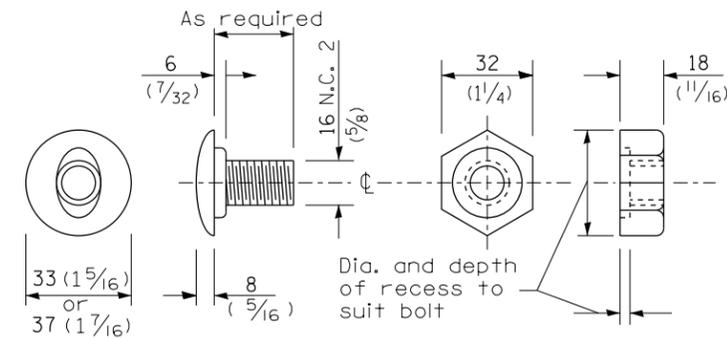
STEEL BLOCK-OUT DETAIL



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



POST OR SPLICE BOLT & NUT

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -
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Default	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

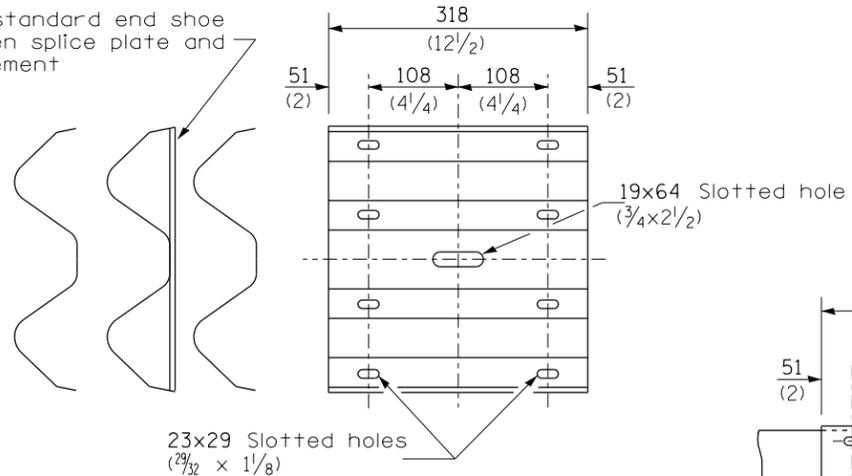
**PRE-MGS HIGHWAY STANDARD 630001-06
STEEL PLATE BEAM EFFECTIVE 4-1-06**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

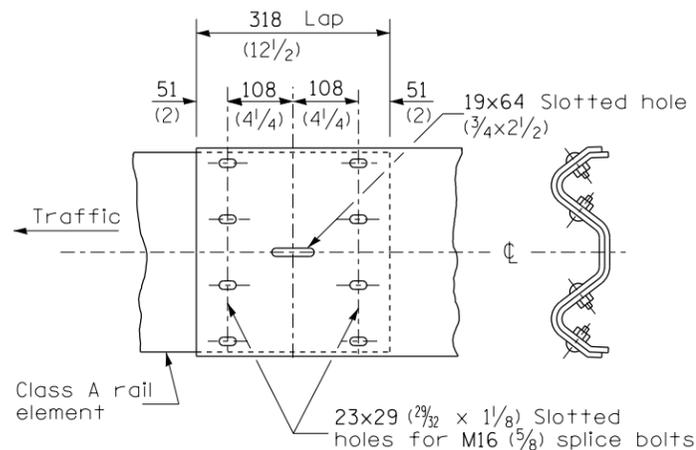
F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**	VARIOUS	17	7
			CONTRACT NO. 72K06	

ILLINOIS FED. AID PROJECT
**D6 CABLE/GUARDRAIL 2017-5

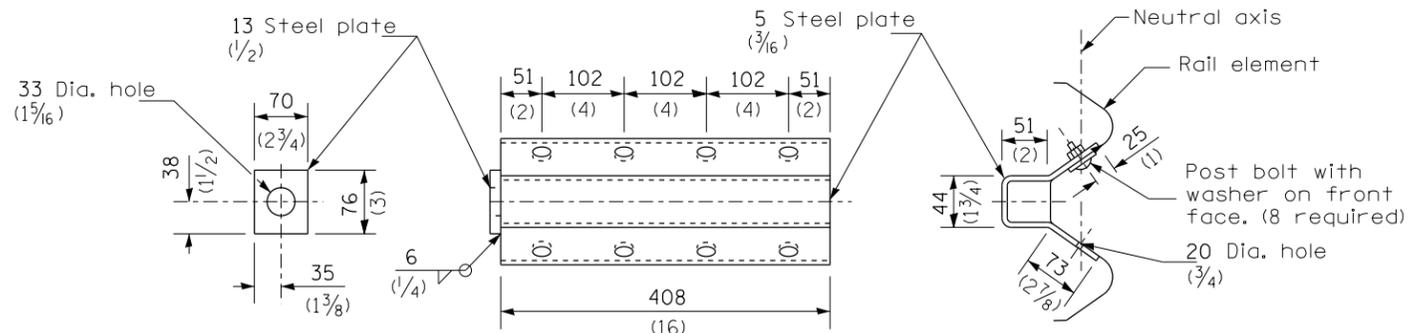
Place standard end shoe between splice plate and rail element



SPLICE PLATE

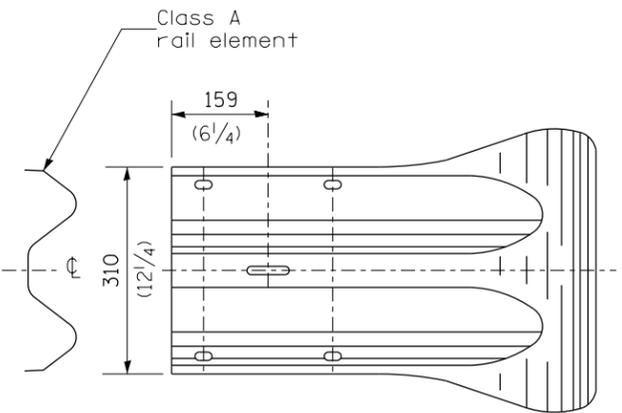
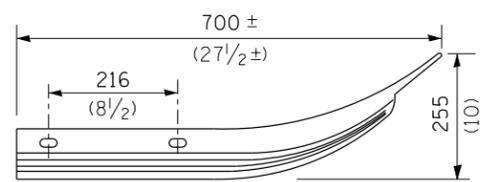


RAIL ELEMENT SPLICE

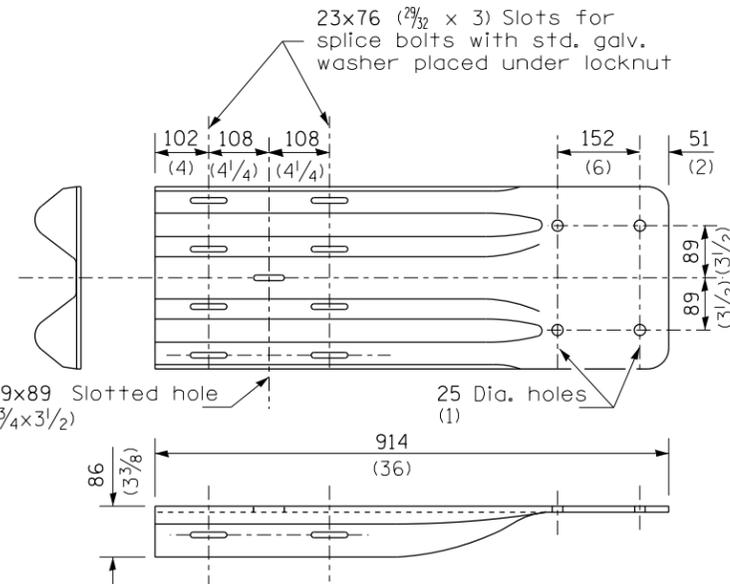


NOTE
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



END SECTION

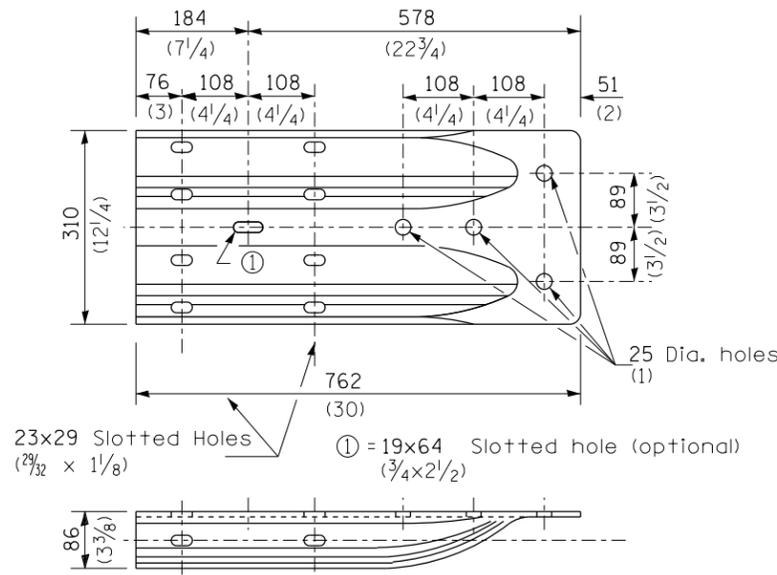


NOTE
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

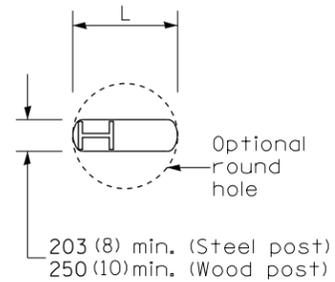
END SHOE



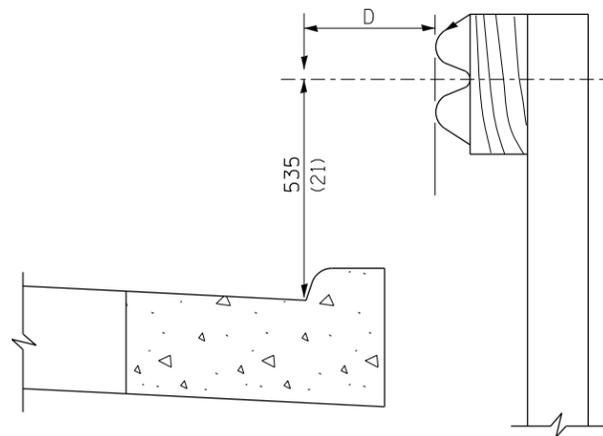
ALTERNATE END SHOE

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 630001-06 STEEL PLATE BEAM EFFECTIVE 4-1-06	F.A.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000 ' / in.		DATE -	REVISED -			CONTRACT NO. 72K06				
Default	PLOT DATE = 7/3/2018					ILLINOIS FED. AID PROJECT				

**D6 CABLE/GUARDRAIL 2017-5



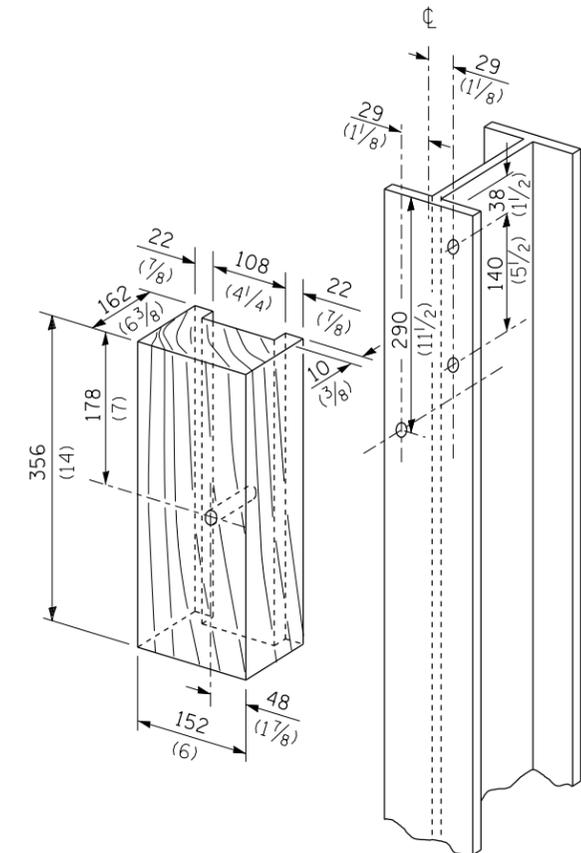
PLAN



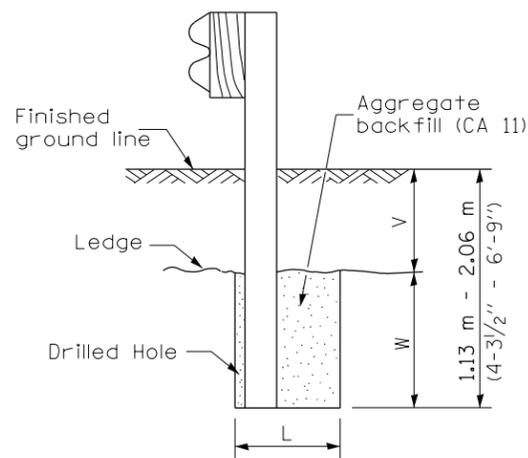
Note:
If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 300 (12) maximum)



WOOD BLOCK-OUT AND STEEL POST DETAILS

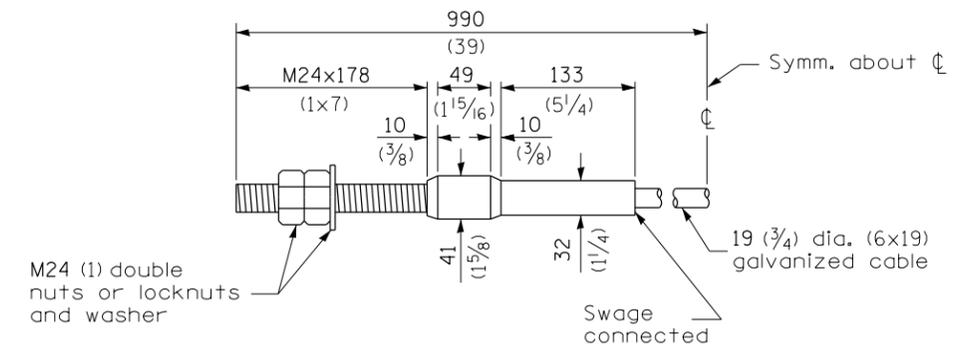


Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

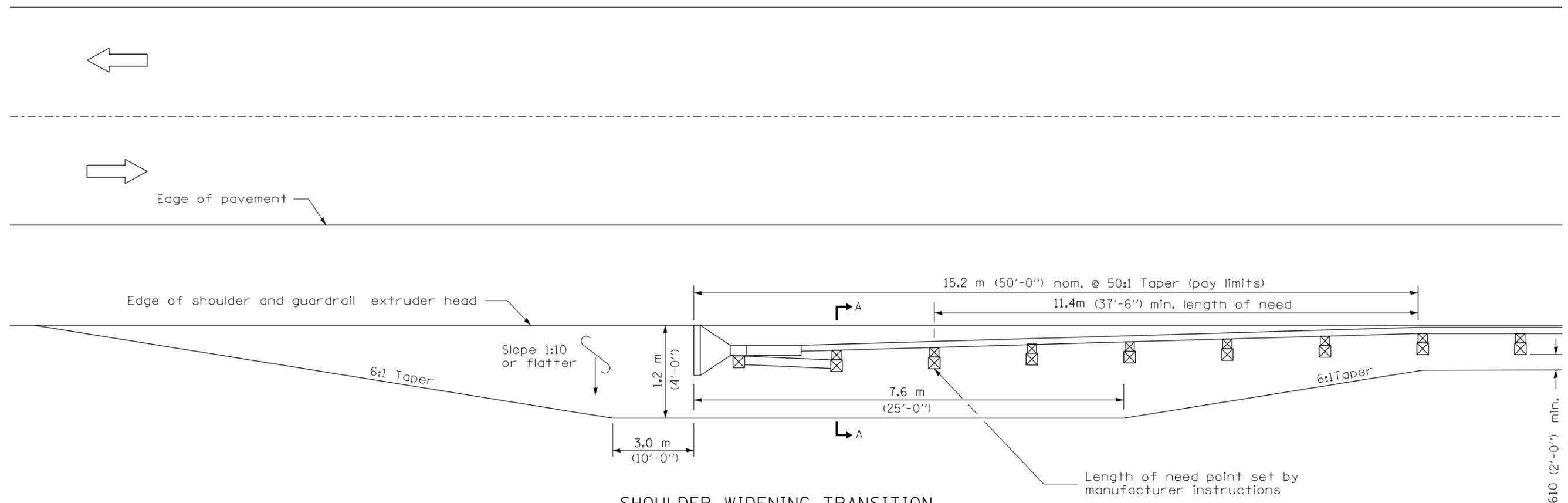
FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

V	W	L	
		Steel Post	Wood Post
0 - 460 (0 - 18)	610 (24)	530 (21)	580 (23)
>460 - 825 (>18 - 41.5)	305 (12)	203 (8)	250 (10)
>825 - 1.13 m (>41.5 - 53.5)	305 - 0 (12 - 0)	203 (8)	250 (10)

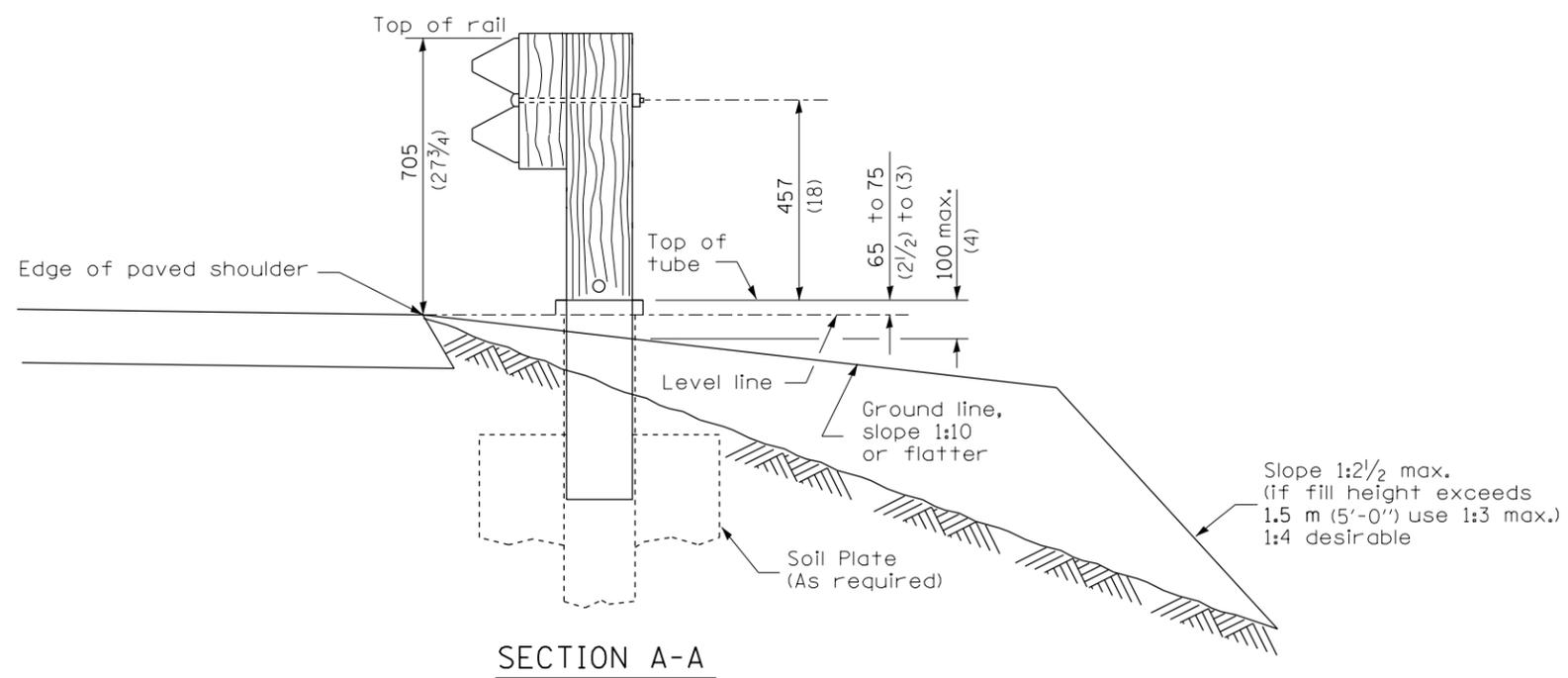


CABLE ASSEMBLY

(18,100 kg (40,000 lbs.) min. breaking strength)
Tighten to taut tension.



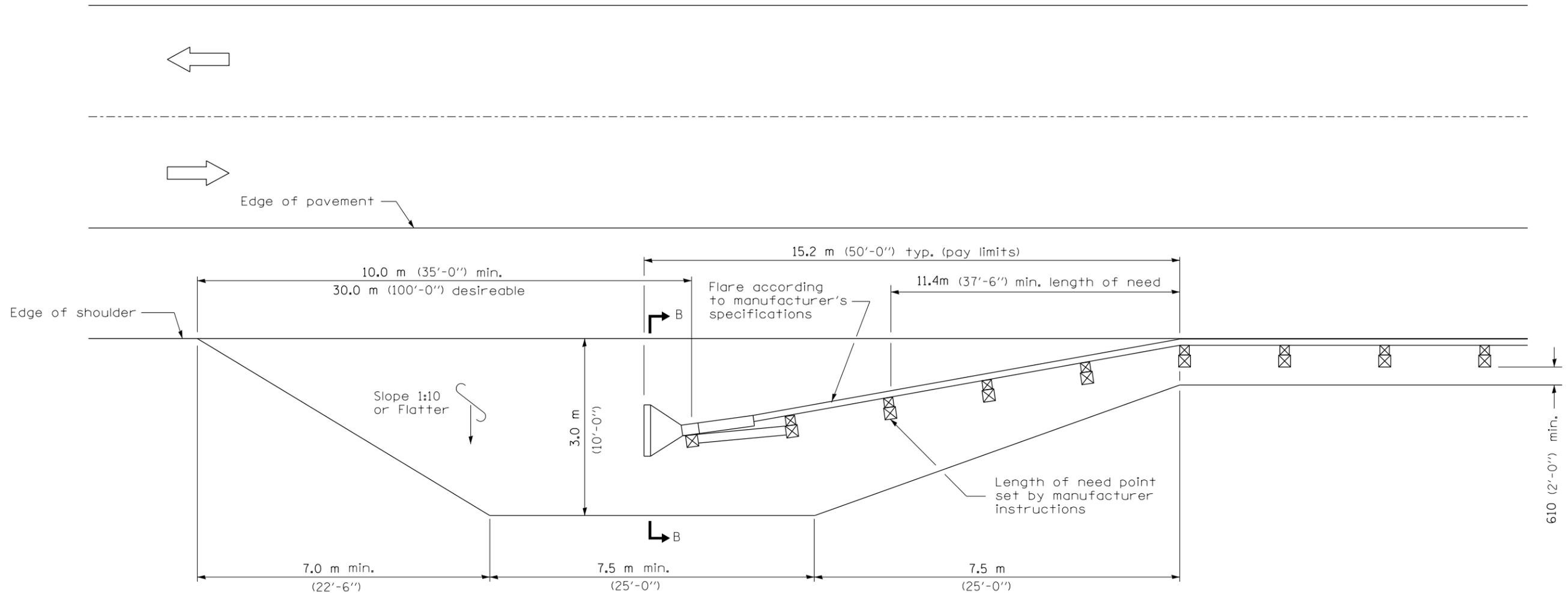
**SHOULDER WIDENING TRANSITION
FOR TANGENT TERMINAL**



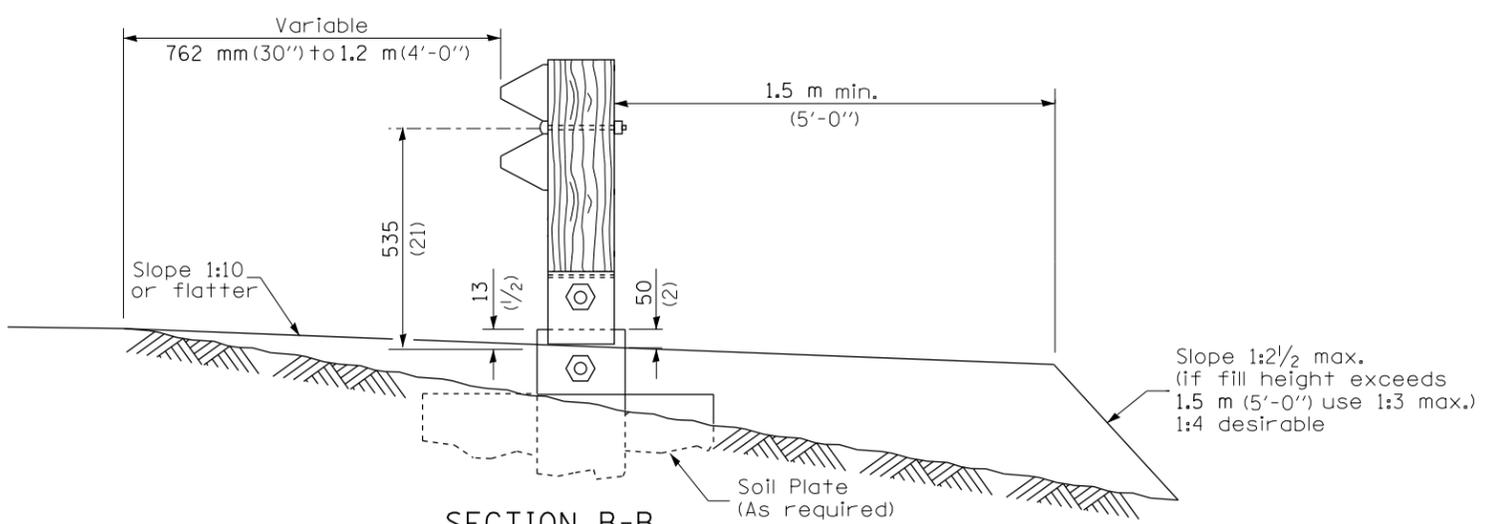
SECTION A-A

GENERAL NOTES
50:1 Taper required so the guardrail head will not encroach on the shoulder.

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 630301-03 SHOULDER WID. FOR TYPE 1 (SPL) GUARDRAIL TERMINAL EFFECTIVE 4-1-06				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwz\planroom.dot\illinois.gov\PWIDOT\Documents\DOT Offices\District 6\Projects\D672K06\CADData\CADs\630301-03_SHLD_WID_GR_TERM.dwg		CHECKED -	REVISD -		SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	17	10
Default	PLOT SCALE = 100.0000 ' / in.	DATE -	REVISD -								CONTRACT NO. 72K06			
	PLOT DATE = 7/3/2018										**D6 CABLE/GUARDRAIL 2017-5			



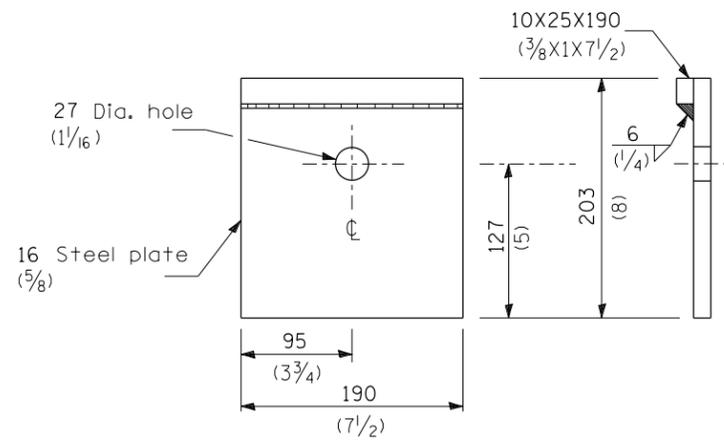
**SHOULDER WIDENING TRANSITION
FOR FLARED TERMINAL**



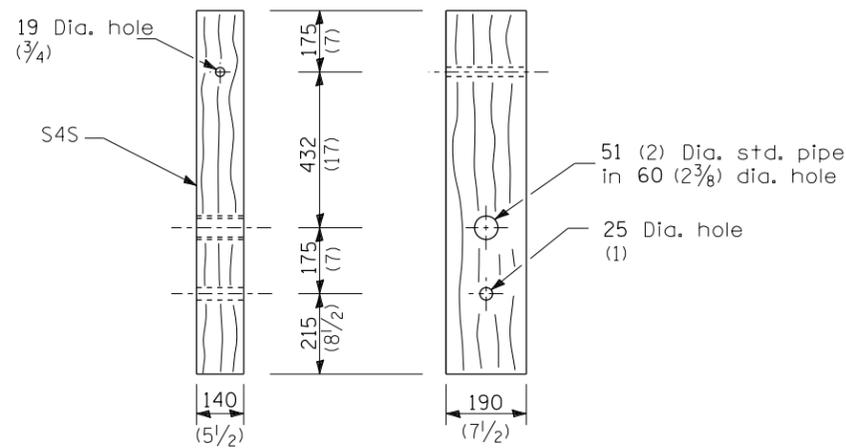
SECTION B-B
(End section omitted for clarity.)

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 630301-03 SHOULDER WID. FOR TYPE 1 (SPL) GUARDRAIL TERMINAL EFFECTIVE 4-1-06			F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pwz\planroom.dot.illinois.gov:PWIDOT\Documents\DOT Offices\District 6\Projects\D672K06\CADData\CADs\630301-03_SPL_GUARDRAIL_TERMINAL.dwg		CHECKED -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 72K06	
Default	PLOT SCALE = 100.0000 ' / in.	DATE -	REVISED -										17	11
	PLOT DATE = 7/3/2018													

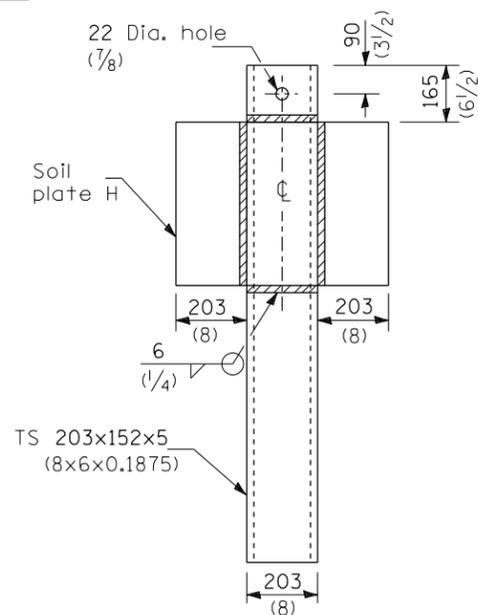
**D6 CABLE/GUARDRAIL 2017-5



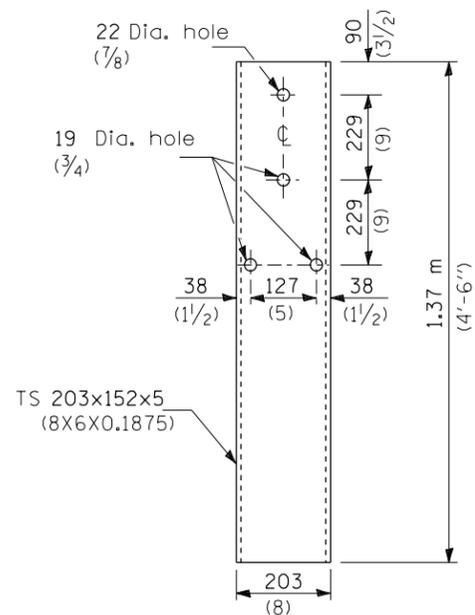
BEARING PLATE K



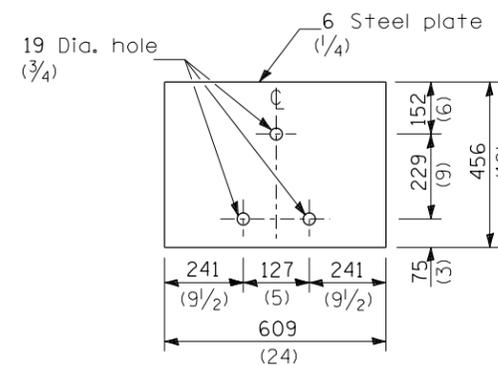
WOOD POST



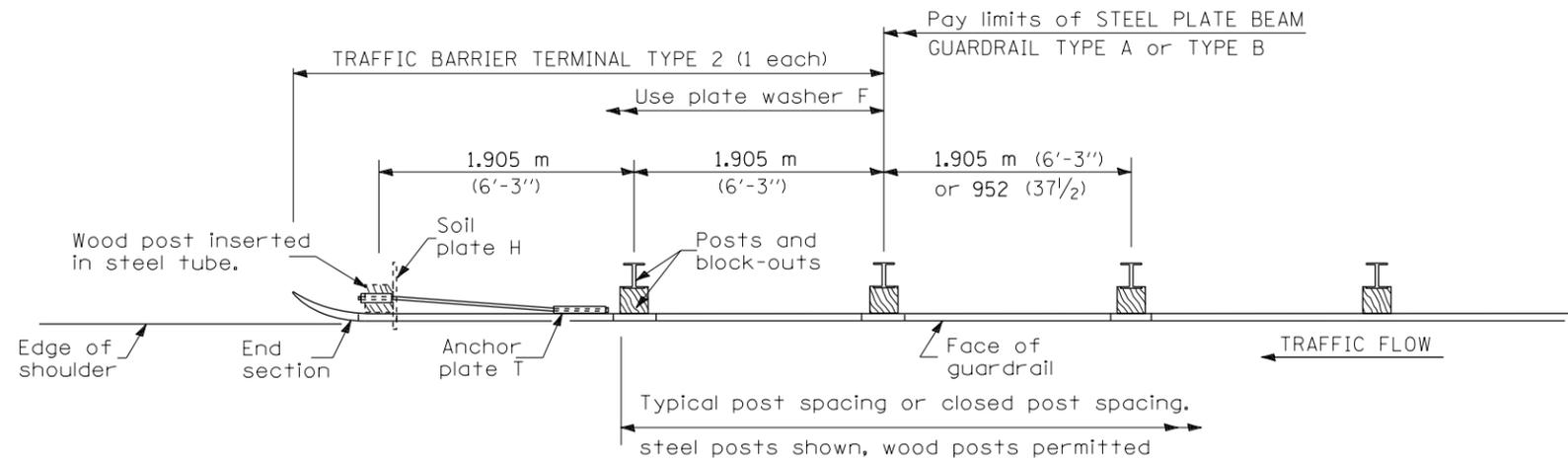
ALTERNATE SOIL PLATE CONNECTION



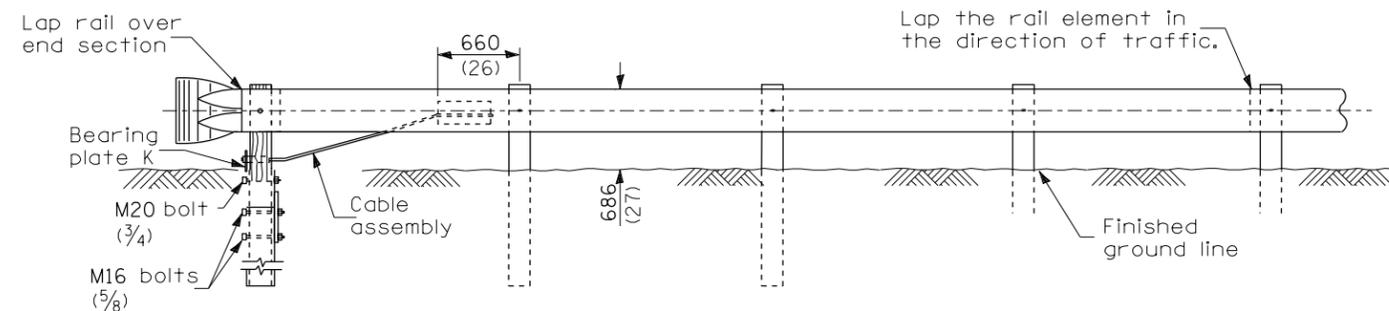
STEEL TUBE



SOIL PLATE H



PLAN



ELEVATION

GENERAL NOTES

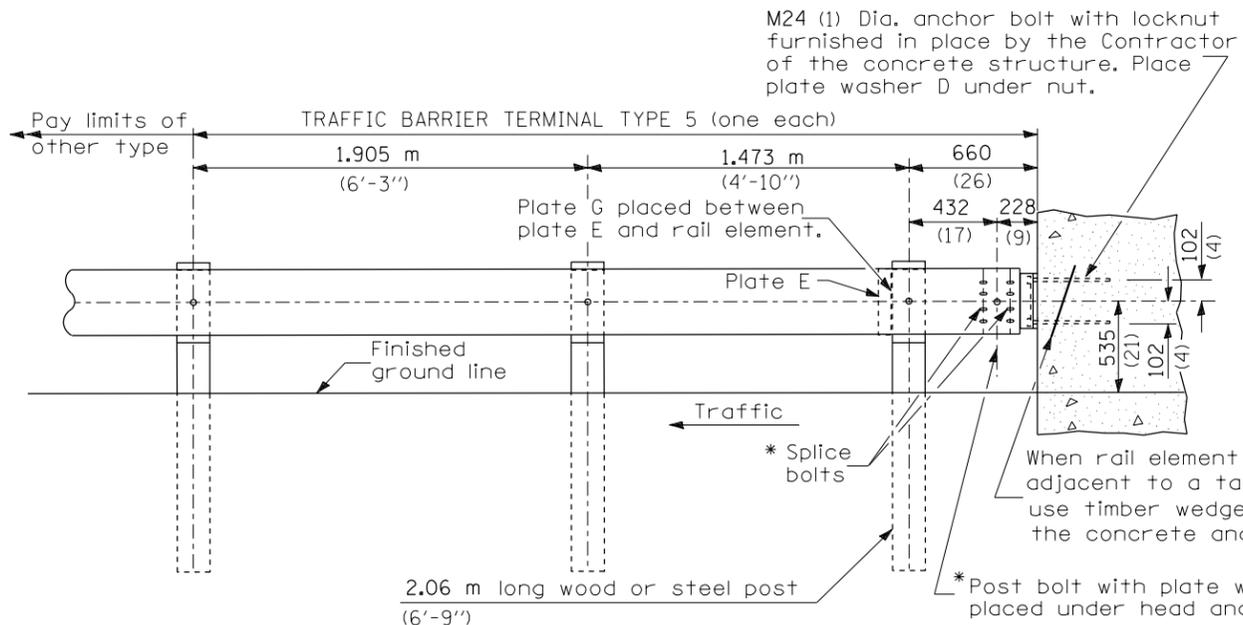
See Standard 630001 for details of guardrail not shown.

Use plate washer F at all posts.

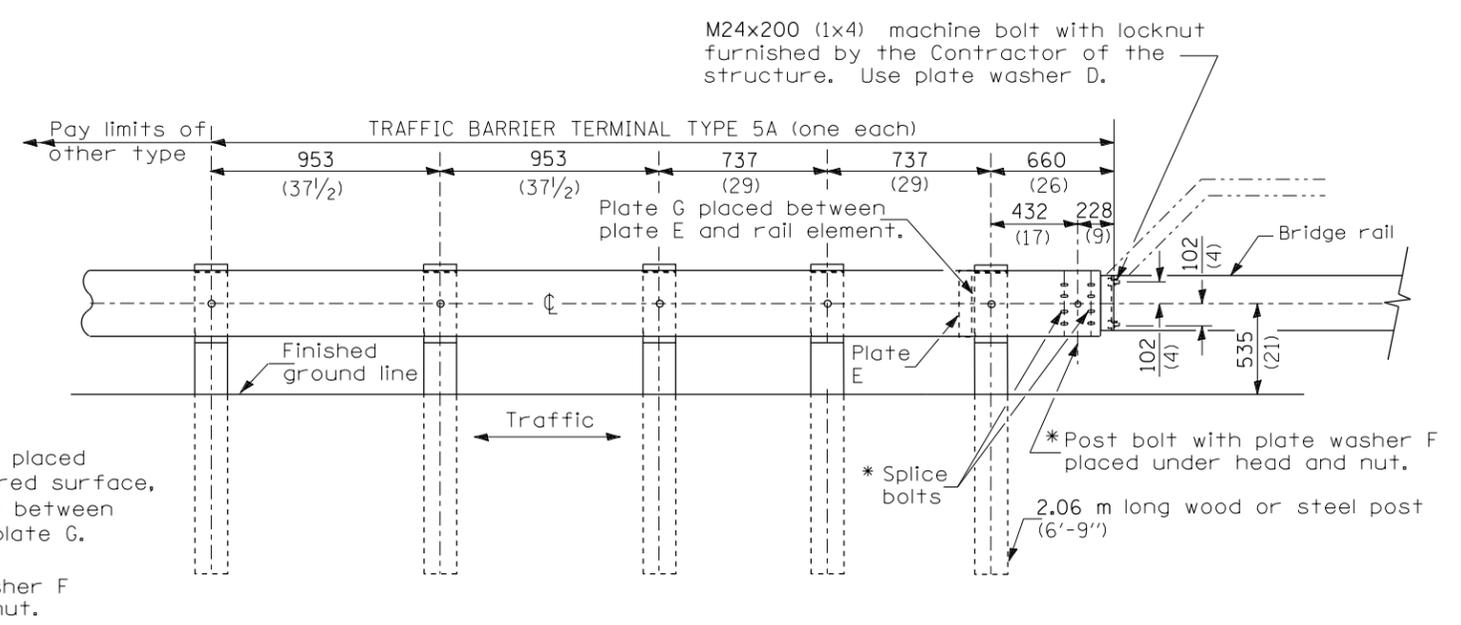
The bearing plate K shall be held in position by (2) two eight penny nails driven into the post and bent over the top of the plate.

All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 631011-02 TRAFFIC BARRIER TERMINAL, TYPE 2 EFFECTIVE 4-1-06	F.A.*	SECTION	COUNTY	TOTAL	SHEET
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PLOT SCALE = 100.0000 ' / in.		DATE -	REVISED -			CONTRACT NO. 72K06				
Default	PLOT DATE = 7/3/2018					ILLINOIS FED. AID PROJECT				



TYPE 5 - CONCRETE BRIDGE PARAPET



TYPE 5A - STEEL BRIDGE RAIL

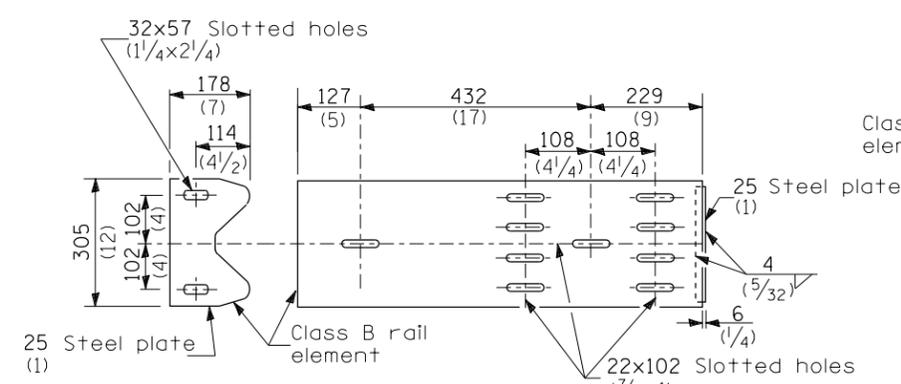


PLATE G

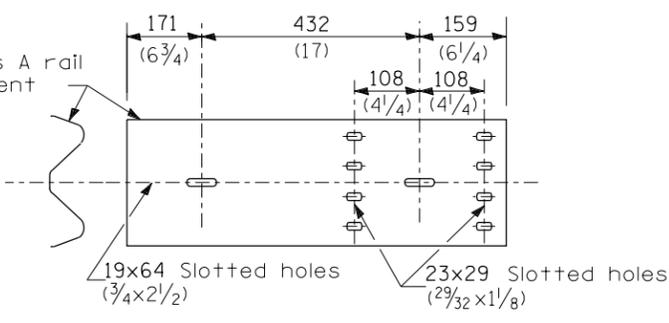
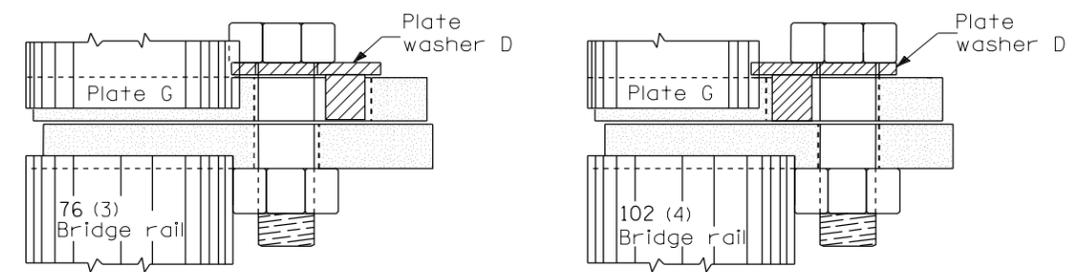


PLATE E



PLACEMENT OF PLATE WASHER D (PLAN)

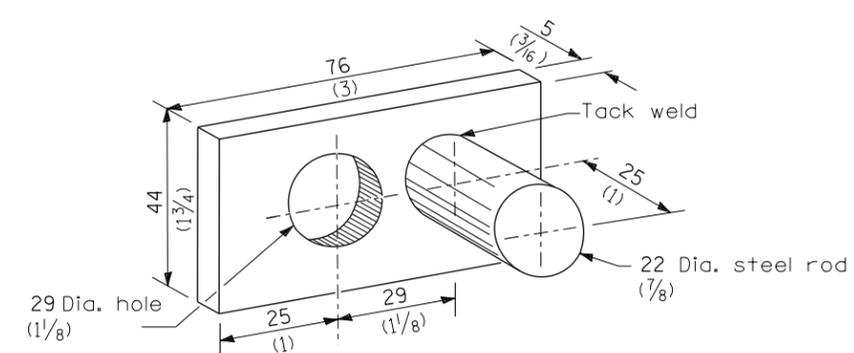
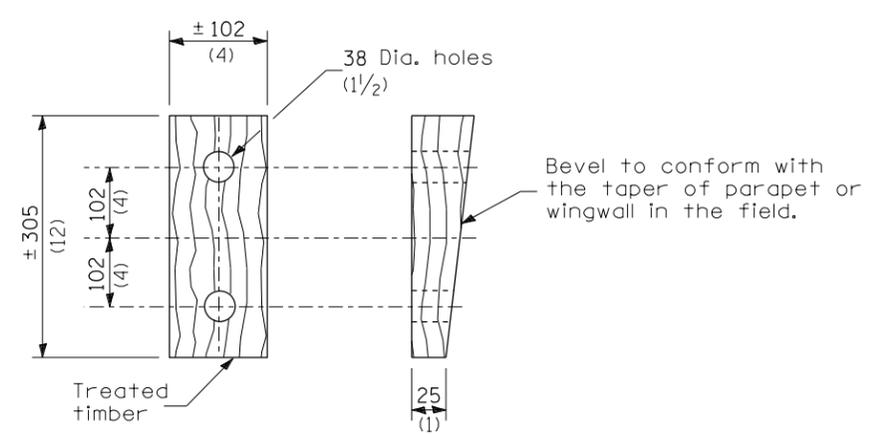


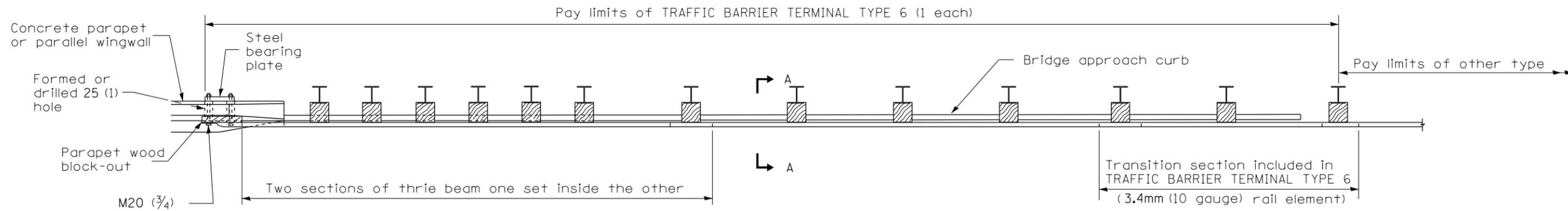
PLATE WASHER D



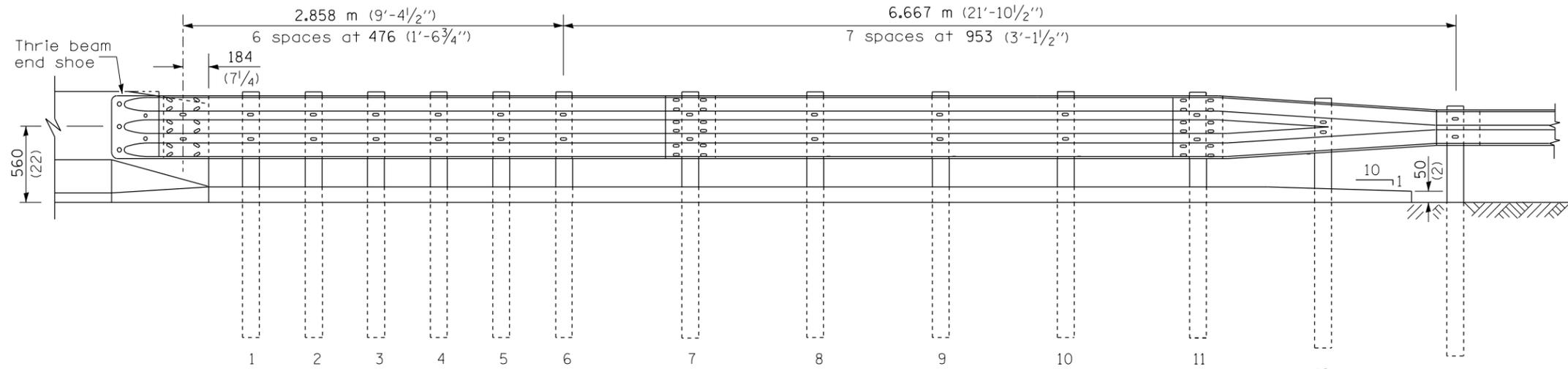
WEDGE M

GENERAL NOTES

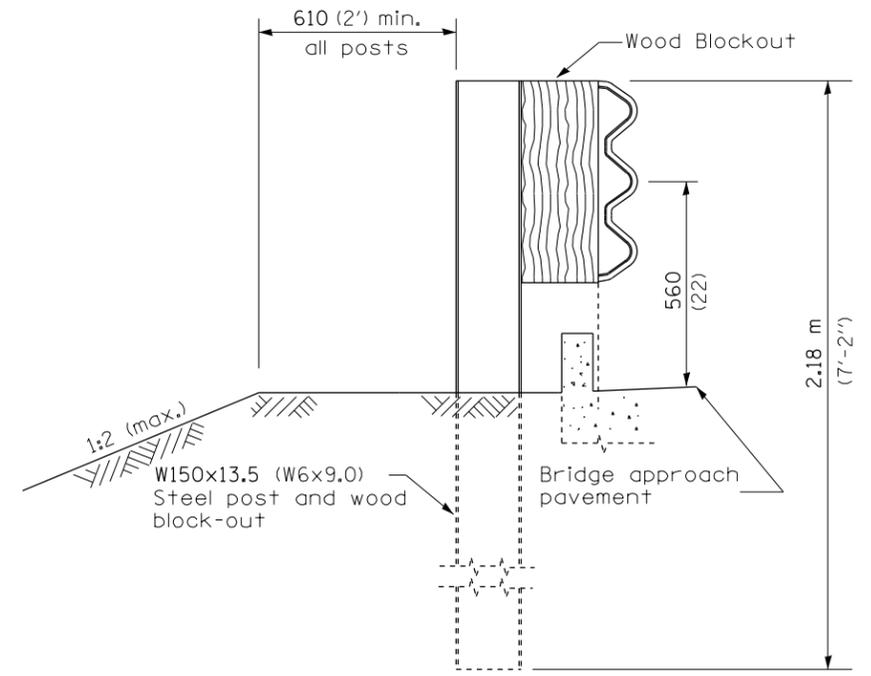
- Install plate washer D so that the 25 mm (1") projection fills the remainder of the slotted holes in the 25 mm (1") end plate on plate G after the M24 (1") dia. bolts are in place.
- * Bolts shall be provided with locknut or double nut and shall be tightened only to a point that will allow plate G to be free to move when an expansion joint exists below the connector.
- See Standard 630001 for details of guardrail not shown.
- All dimensions are in millimeters (inches) unless otherwise shown.



PLAN



ELEVATION



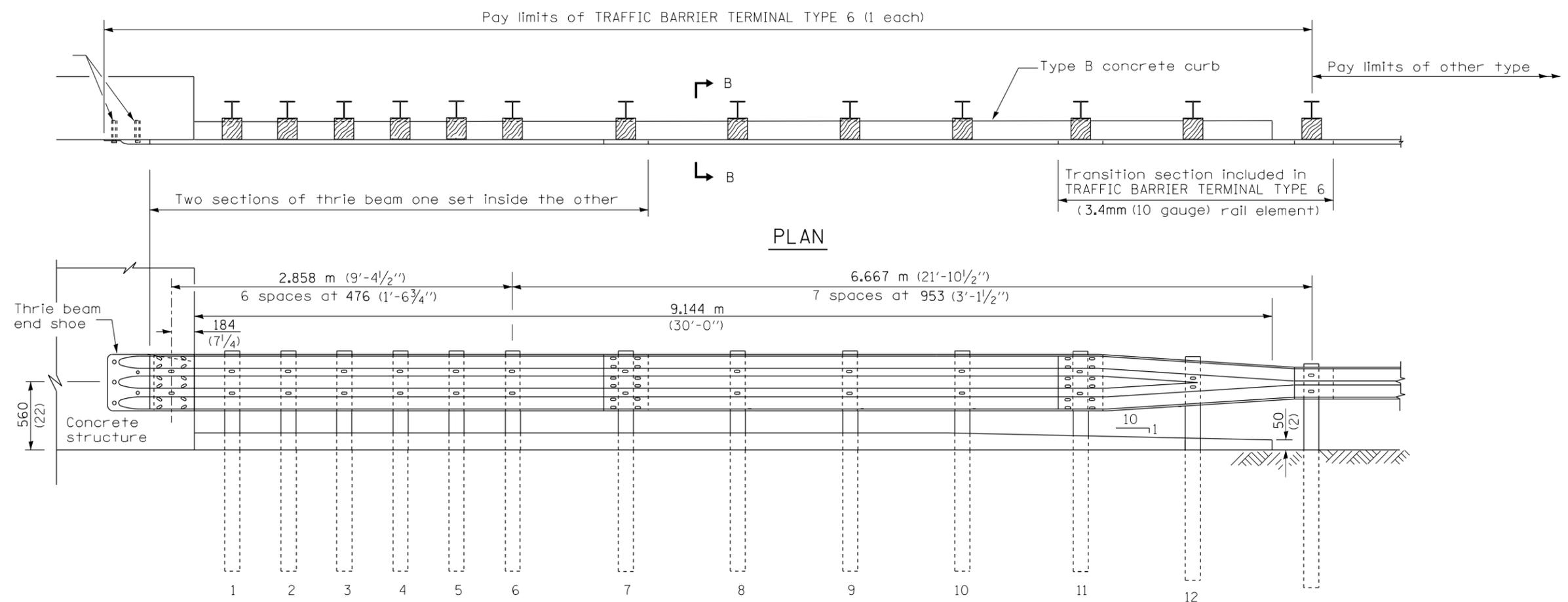
SECTION A-A

GENERAL NOTES

- See Standard 630001 for details of guardrail not shown.
- Thrie beam rail shall be bolted to block-out at all posts.
- See Standard 420401 for details of bridge approach pavement.
- All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
- All dimensions are in millimeters (inches) unless otherwise shown.

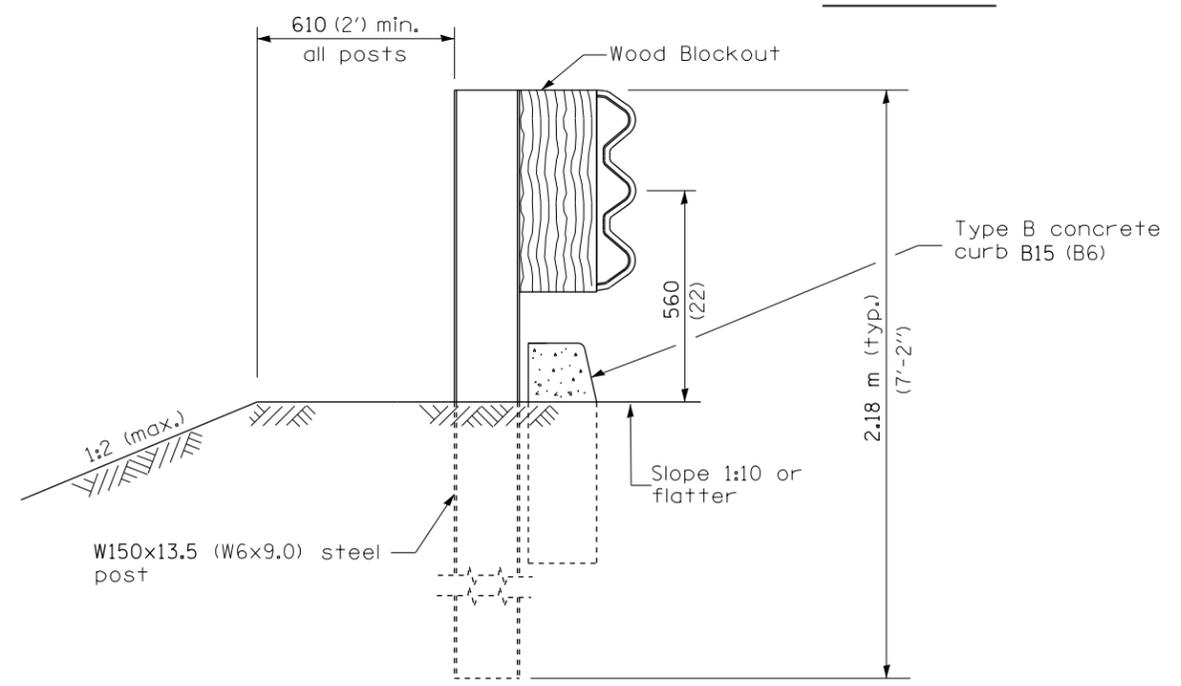
FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 631031-05 TRAFFIC BARRIER TERMINAL, TYPE 6 EFFECTIVE 4-1-06	F.A.*	SECTION	COUNTY	TOTAL	SHEET	
pww\planroom.dot.illinois.gov\PIWIDOT\Documents\DOT Offices\District 6\Projects\D672K06\CADData\CADs\631031-05-TRAF_BAR_TERM_6.dwg		CHECKED -	REVISED -			*VAR	**	VARIOUS	17	14	
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 72K06					
Default	PLOT DATE = 7/3/2018					ILLINOIS FED. AID PROJECT					

**D6 CABLE/GUARDRAIL 2017-5



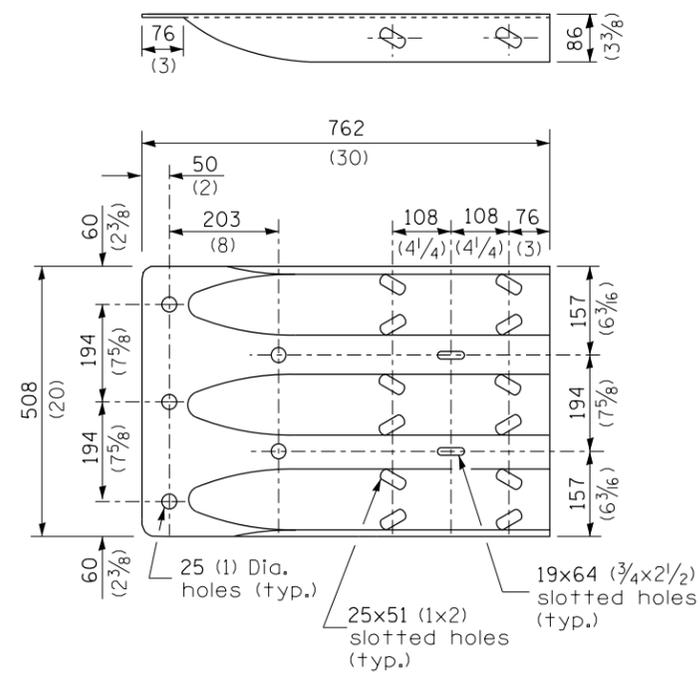
PLAN

ELEVATION

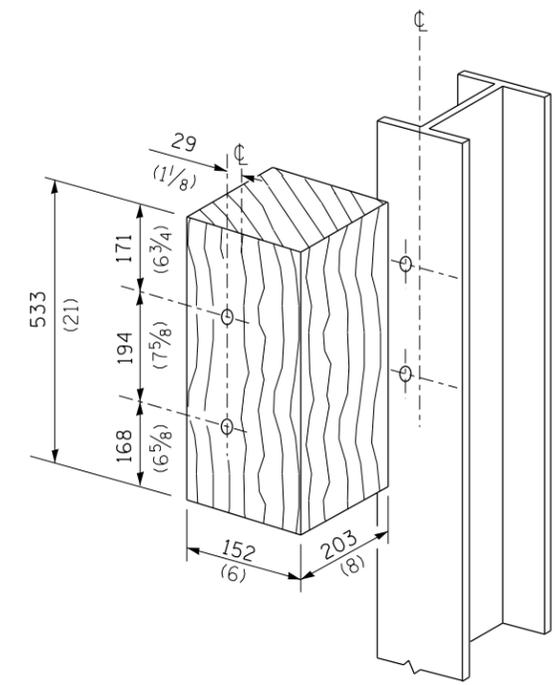


SECTION B-B

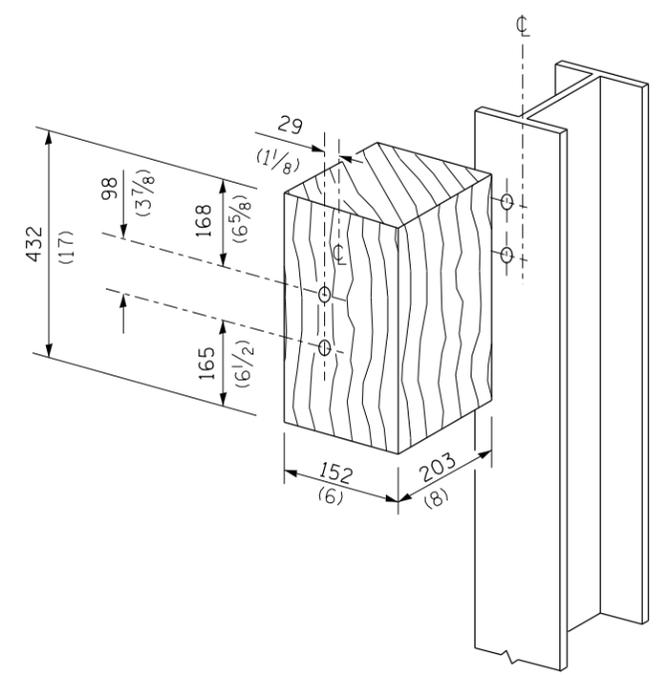
FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 631031-05 TRAFFIC BARRIER TERMINAL, TYPE 6 EFFECTIVE 4-1-06	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pww\planroom.dot\illinois.gov\PWIDOT\Documents\DOT Offices\District 6\Projects\D672K06\CADData\CADs\631031-05_TRAF_BAR_TERM_6.dwg		CHECKED -	REVISED -			**			VARIOUS	17	15
		DATE -	REVISED -			CONTRACT NO. 72K06		ILLINOIS FED. AID PROJECT			
Default						SHEET 2 OF 3 SHEETS STA. TO STA.		**D6 CABLE/GUARDRAIL 2017-5			



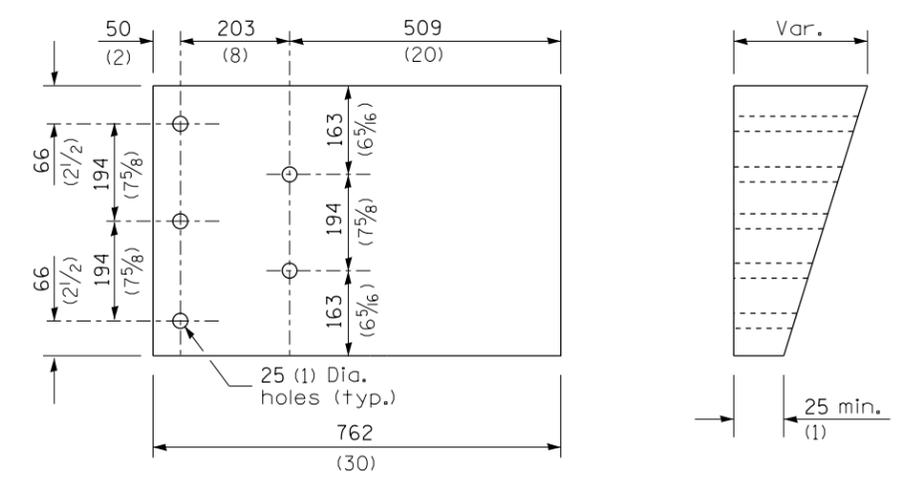
THRIE BEAM END SHOE DETAIL



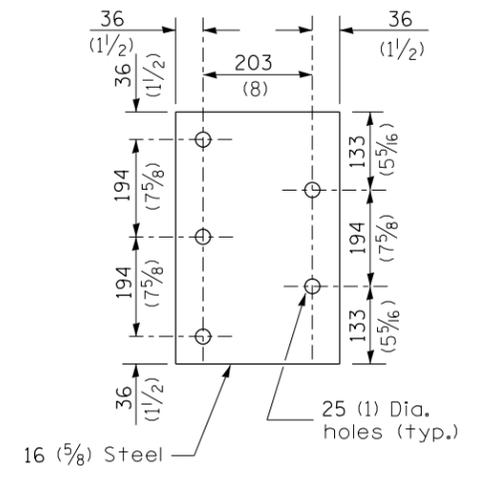
POSTS 1-11 WOOD BLOCKOUT DETAIL



POST 12 WOOD BLOCKOUT DETAIL



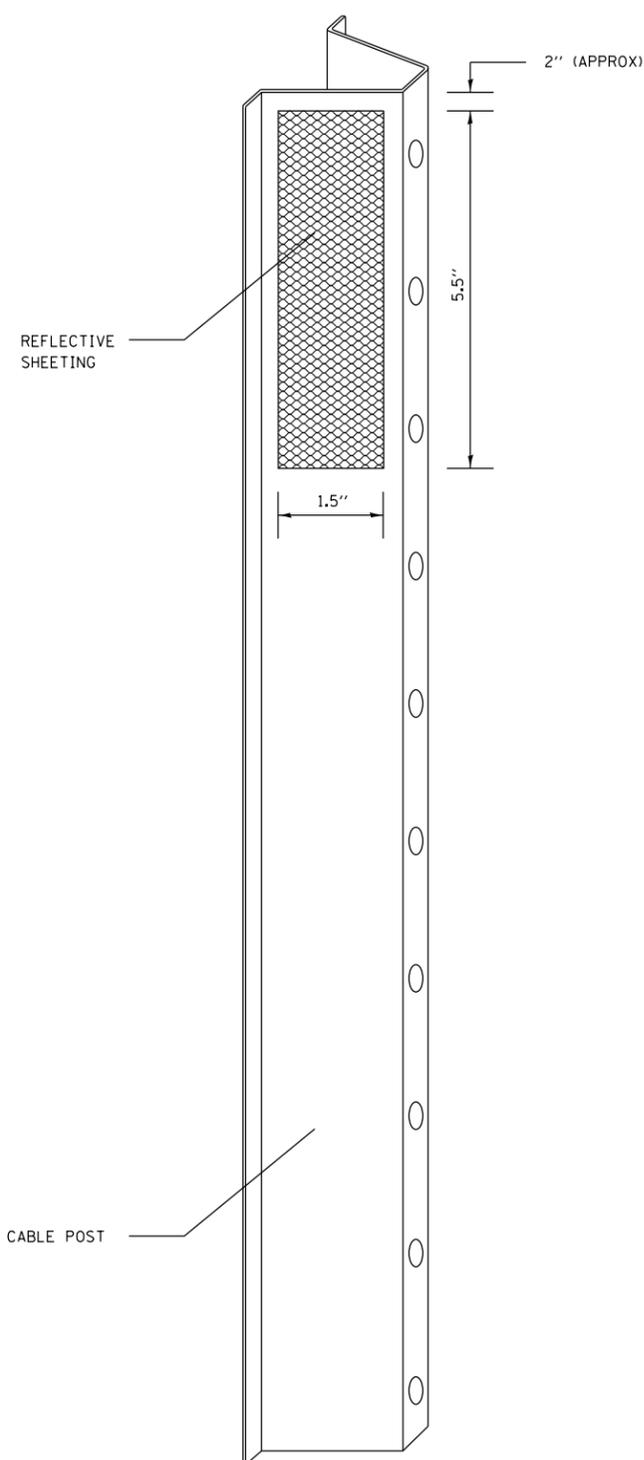
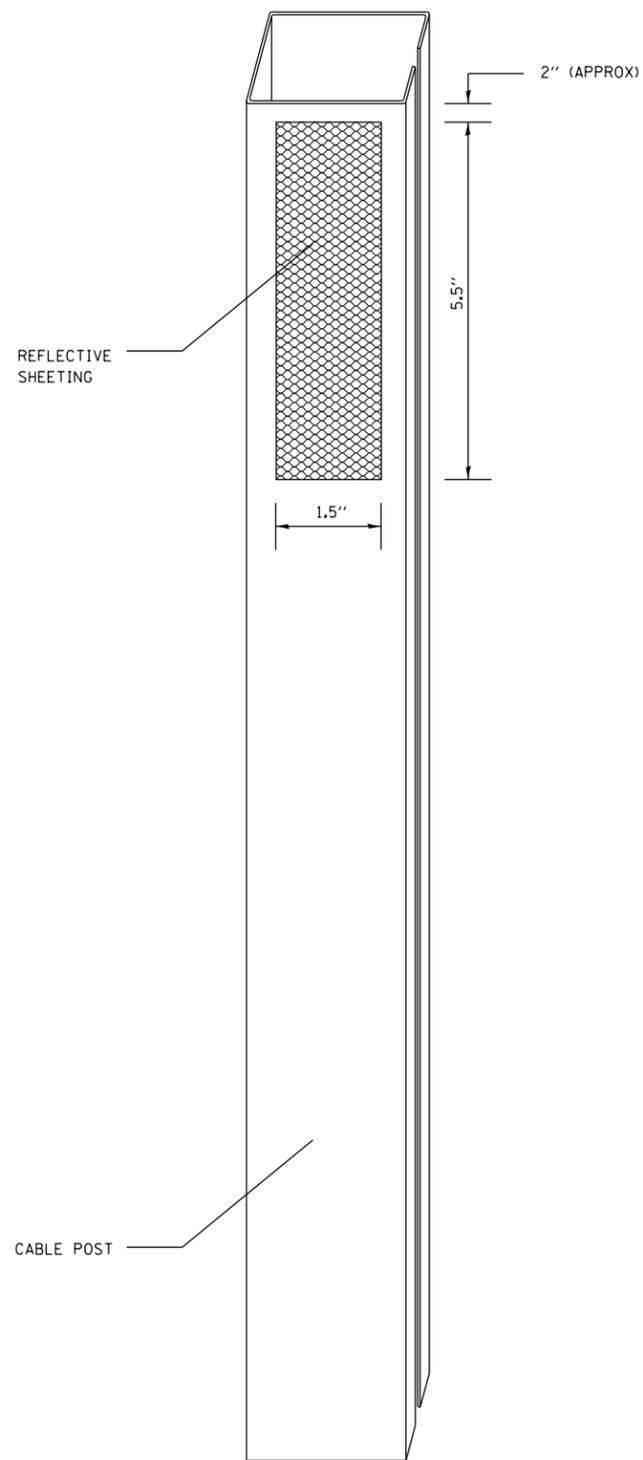
PARAPET WOOD BLOCK-OUT DETAIL



PARAPET STEEL BEARING PLATE DETAIL

(5 each individual 125x125x16 (5x5x5/8) steel plates with centered 25 (1)holes may be substituted for the plate shown.)

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRE-MGS HIGHWAY STANDARD 631031-05 TRAFFIC BARRIER TERMINAL, TYPE 6 EFFECTIVE 4-1-06	F.A.*	SECTION	COUNTY	TOTAL	SHEET
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PLOT SCALE = 100.0000 ' / in.		DATE -	REVISED -			CONTRACT NO. 72K06				
Default	PLOT DATE = 7/3/2018					ILLINOIS FED. AID PROJECT				



NOTES:

MATERIAL: THE MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 1090 AND 1091 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION REQUIREMENTS: THE REFLECTIVE SHEETING SHALL BE INSTALLED DIRECTLY ON THE CABLE POSTS. THE REFLECTIVE SHEETING SHALL BE INSTALLED AS SHOWN IN THE PLANS, ON EVERY OTHER POST (IN ORDER TO PROVIDE A SPACING OF 40'). THE SURFACE OF THE POST SHALL BE CLEANED OF ALL CONTAMINANTS PRIOR TO THE INSTALLATION OF THE REFLECTIVE SHEETING. THE SURFACE SHALL BE CLEANED USING A 5-8 PERCENT PHOSPHORIC ACID SOLUTION AND RINSED WITH CLEAN WATER OR AS RECOMMENDED BY THE MANUFACTURER OF THE REFLECTIVE SHEETING AND AS APPROVED BY THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CABLE GUARD MARKER.

FILE NAME =	USER NAME = spechtd	DESIGNED -	REVISED -
pww\planroom.dot.illinois.gov\PWIDOT\Documents\DOT Offices\District 6\Projects\D672K06\CADData\CADs\DRAWING-06-sh-CABLE_GRD-MKR.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	DATE -	REVISED -
	PLOT DATE = 7/3/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABLE GUARD MARKER DETAIL

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*VAR	**	VARIOUS	17	17
			CONTRACT NO. 72K06	
		ILLINOIS	FED. AID PROJECT	

**D6 CABLE/GUARDRAIL 2017-5